

AMENDMENTS TO THE CLAIMS

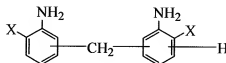
1 (Currently Amended). A polyol composition (I) for a two-component curable abrasive foam, comprising:

(A) a polyaminochlorophenylmethane mixture and

[(B)] a polyol (B)[I,] and

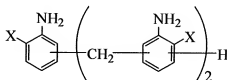
[[the]] a polyaminochlorophenylmethane mixture (A), ~~which comprising~~ comprises the following compounds which total to a 100% weight basis:

50 to 70% by weight of a binuclear polyaminochlorophenylmethane compound represented by the following formula:



[[()]] wherein X ~~independently~~ represents a chlorine atom ~~or a hydrogen atom~~,

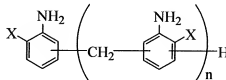
20 to 40% by weight of a trinuclear polyaminochlorophenylmethane compound represented by the following formula:



[[()]] wherein X ~~independently~~ represents a chlorine atom ~~or a hydrogen atom~~,

and

5 to 10% by weight of a tetranuclear or higher polyaminochlorophenylmethane compound represented by the following formula:



[[()]] wherein X ~~independently~~ represents a chlorine atom ~~or a hydrogen atom~~; and n represents an integer of 3 or greater[[()]],

wherein the polyaminochlorophenylmethane mixture (A) is uniformly dissolved in the

polyol (B), and

wherein the weight ratio of (A) to (B) ((A)/(B)) stands at 30/70 to 60/40.

2 (Original). The polyol composition for a two-component curable abrasive foam according to claim 1, wherein the polyol (B) is a polyol containing ether bond in a principal chain thereof and having a molecular weight of 100 to 1500 and/or a polyol containing methyl group in a side chain thereof and having a molecular weight of 50 to 500.

3 (Original). The polyol composition for a two-component curable abrasive foam according to claim 1, wherein the polyol (B) is at least one selected from tetramethylene glycol and polypropylene glycols.

4 (Currently Amended). A composition for a two-component curable abrasive foam, comprising the polyol composition (1) according to claim 1, a polyisocyanate (2) and water (3), wherein the composition for a two-component curable abrasive foam, is obtained by adding water (3) in the polyol composition (1); and mixing the polyol composition (1) containing water (3), and a polyisocyanate (2).

5 (Currently Amended). The composition for a two-component curable abrasive foam according to claim 4, wherein the polyisocyanate (2) is an isocyanate-group-containing urethane prepolymer having an isocyanate equivalent weight of 300 to 580.

6 (Original). The composition for a two-component curable abrasive foam according to claim 4, wherein the polyisocyanate (2) is a toluene diisocyanate-type urethane prepolymer containing a terminal isocyanate group.

7 (Currently Amended). An abrasive foam, as a foamed and cured product of the composition for a two-component curable abrasive foam according to claim 4, wherein the abrasive foam has a specific gravity of 0.3 to 1.2 g/cm³.

8 (Original). A method for producing an abrasive foam, comprising the steps of casting the

composition for a two-component curable abrasive foam of claim 4 in a mold, and foaming and curing the composition

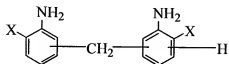
9 (New). The method for producing an abrasive foam according to claim 8, comprising the steps of

(1) adding water (3) in a polyol composition (1) for a two-component curable abrasive foam, which comprises

a polyol (B) and

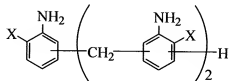
a polyaminochlorophenylmethane mixture (A), which comprises the following compounds which total to a 100% weight basis:

50 to 70% by weight of a binuclear polyaminochlorophenylmethane compound represented by the following formula:



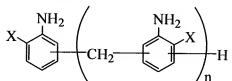
wherein X represents a chlorine atom,

20 to 40% by weight of a trinuclear polyaminochlorophenylmethane compound represented by the following formula:



wherein X represents a chlorine atom, and

5 to 10% by weight of a tetranuclear or higher polyaminochlorophenylmethane compound represented by the following formula:



wherein X represents a chlorine atom; and n represents an integer of 3 or greater,
wherein the polyaminochlorophenylmethane mixture (A) is uniformly dissolved in the polyol (B), and

the weight ratio of (A) to (B) ((A)/(B)) stands at 30/70 to 60/40;

(2) separately placing the polyol composition (1) containing water (3) and a polyisocyanate (2) into each tank of a two-component mixing casting machine,

(3) heating the polyol composition (1) containing water (3) at 40°C to 70°C, and heating the polyisocyanate (2) at 40°C to 90°C,

(4) mixing the heated polyol composition (1) containing water (3) and the heated polyisocyanate (2) in the two-component mixing casting machine to yield a composition for a two-component curable abrasive foam,

(5) casting the composition for a two-component curable abrasive foam in a mold at 80°C to 120°C; and

(6) foaming and curing the composition casted in the mold.

10 (New). The abrasive foam, which is obtained by the method for producing an abrasive foam according to claim 9, wherein the abrasive foam has a specific gravity of 0.3 to 1.2 g/cm³.